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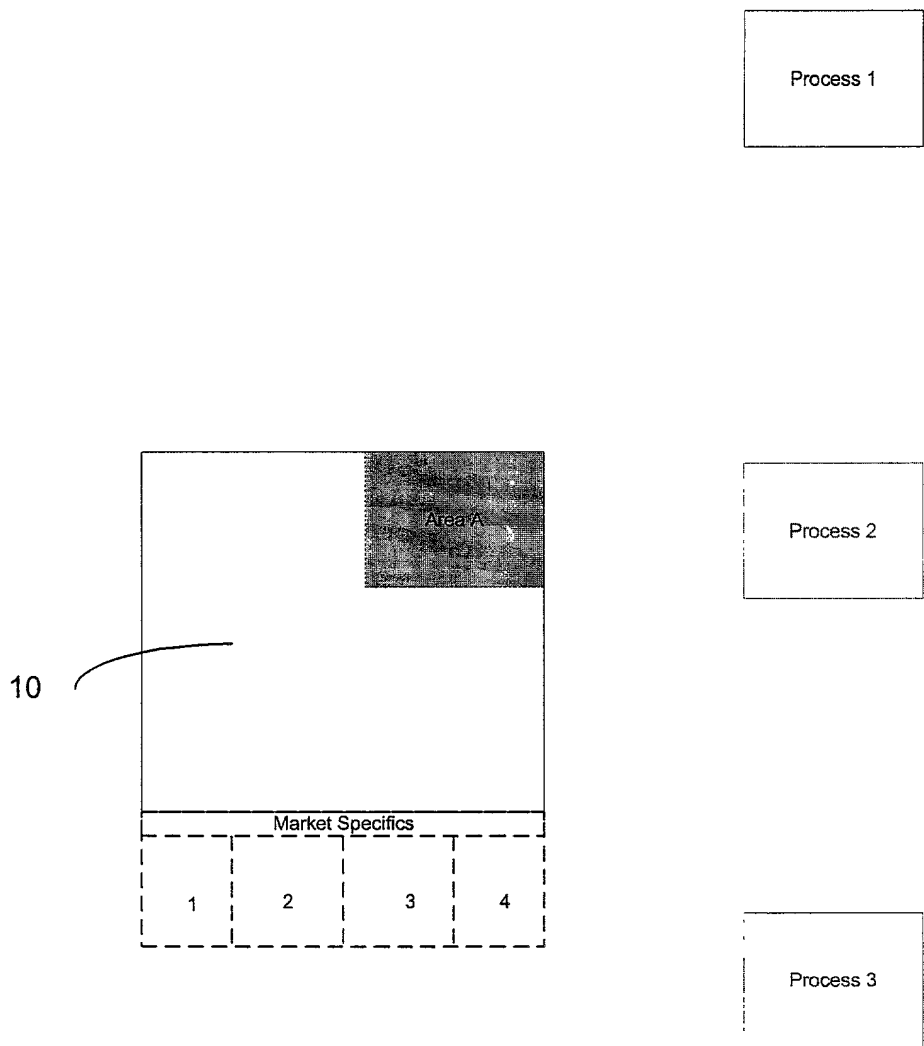


Figure 1

09876543210

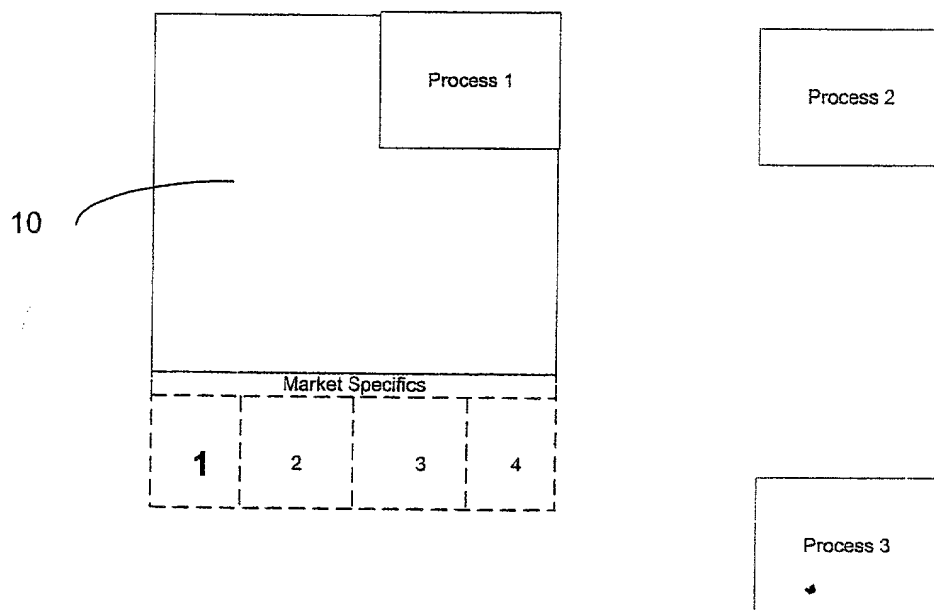


Figure 2

Administration Tool

File View Server Look'n'Feel Help

Order Tracker Algorithm Configuration Server Monitor

New Expand all Collapse ... Details Fire event Suspend Resume Cancel

all

Id	Created	Tag	Algorithm/Type	Side	Instrum...	Price	Quantity	Executed	To execute	% Com...	Susp.
cipher-46t											
360	08:57:56		TVWVAP	Buy	AXP		200000.0	63351.0	136649.0	31.68	<input type="checkbox"/>
10680	10:51:56	MarketMaking-66	Limit	Buy	AXP	50.3125	2823.0	523.0	2300.0	19.53	<input type="checkbox"/>
420	09:07:30		TVWVAP	Buy	BUD		98470.0	21838.0	66632.0	24.88	<input type="checkbox"/>
10840	10:51:40	MarketMaking-48	Limit	Buy	BUD	78.875	1187.0	0.0	1187.0	0.0	<input type="checkbox"/>
440	09:08:38		TVWVAP	Buy	MO		247240.0	68292.0	178948.0	27.62	<input type="checkbox"/>
10460	10:48:12	MarketMaking-40	Limit	Buy	MO	28.1875	2899.0	0.0	2899.0	0.0	<input type="checkbox"/>
460	09:09:30		TVWVAP	Buy	UNH		45340.0	10777.0	34563.0	23.77	<input type="checkbox"/>
10660	10:51:50	MarketMaking-57	Limit	Buy	UNH	77.125	360.0	160.0	200.0	44.44	<input type="checkbox"/>
480											
700	09:19:09		TVWVAP	Sell	C		230130.0	72781.0	157349.0	31.83	<input type="checkbox"/>
10520	10:50:00	MarketMaking-68	Limit	Sell	C	60.5	3281.0	0.0	3281.0	0.0	<input type="checkbox"/>
720	09:19:55		TVWVAP	Sell	C		230100.0	74454.0	155646.0	32.36	<input type="checkbox"/>
10530	10:50:00	MarketMaking-69	Limit	Sell	C	60.5	3281.0	0.0	3281.0	0.0	<input type="checkbox"/>
860	09:22:18		TVWVAP	Buy	XOM		13600.0	3715.0	9885.0	27.32	<input type="checkbox"/>
960	09:23:54		TVWVAP	Buy	NOK		188200.0	62228.0	125972.0	33.06	<input type="checkbox"/>
920	09:23:58		TVWVAP	Buy	HON		180100.0	48113.0	131987.0	26.71	<input type="checkbox"/>
10690	10:51:58	MarketMaking-56	Limit	Buy	HON	53.375	1050.0	0.0	1050.0	0.0	<input type="checkbox"/>
10710	10:52:29	MarketMaking-57	Limit	Buy	HON	53.4375	690.0	0.0	690.0	0.0	<input type="checkbox"/>

Figure 3

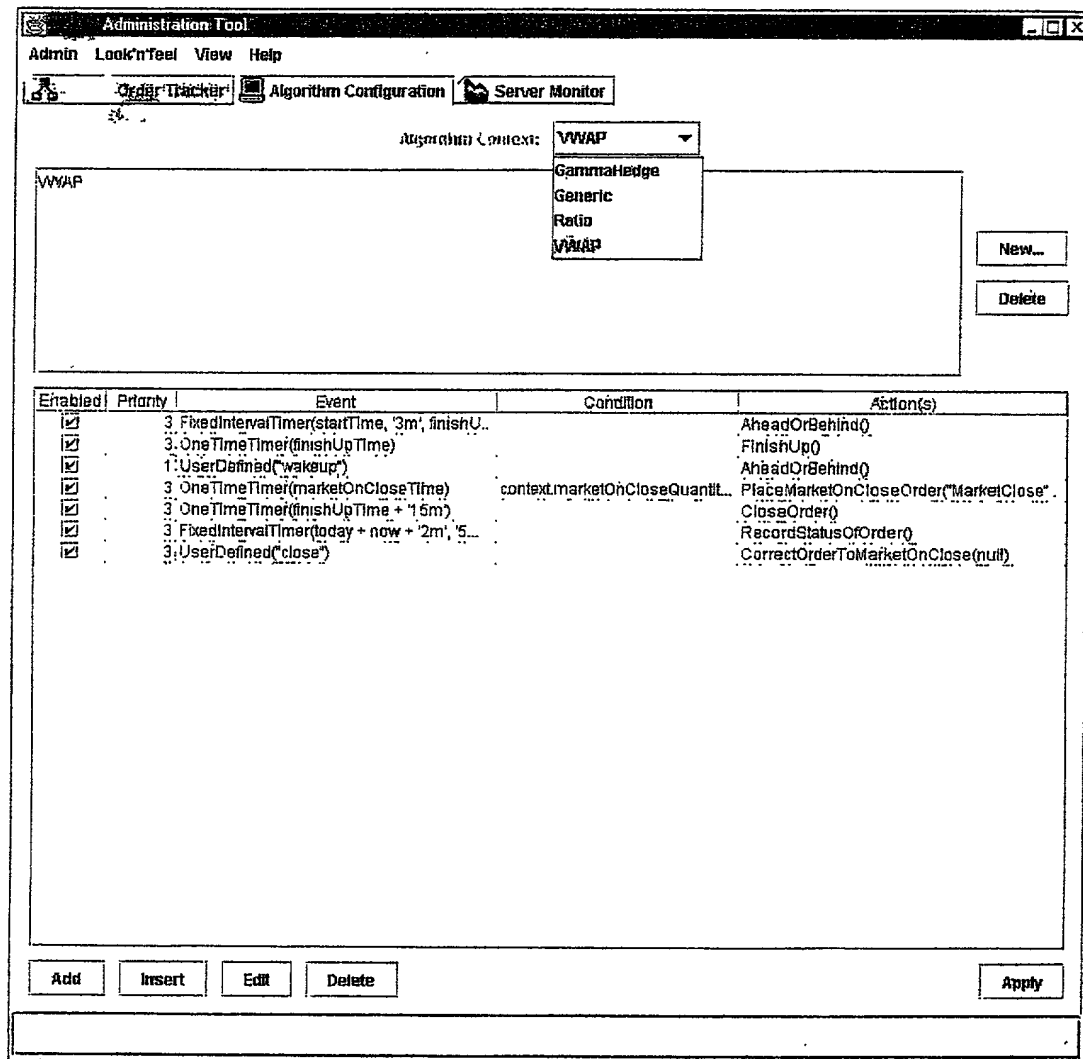


Figure 4

09/27/2007 14:00

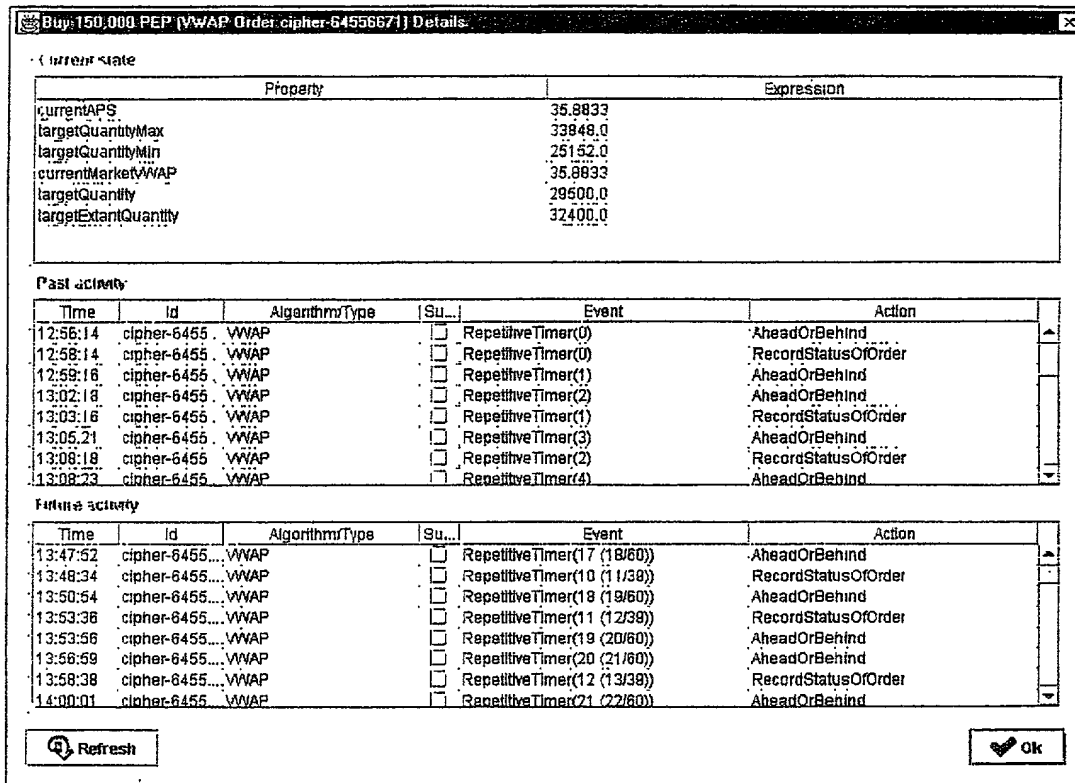


Figure 5

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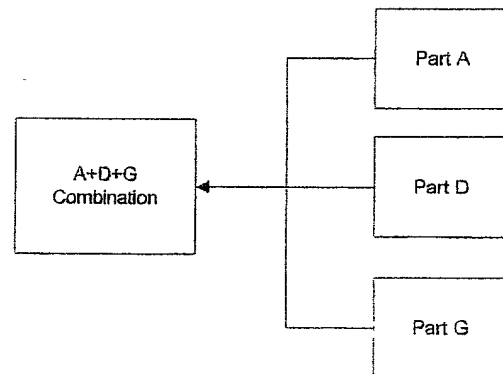
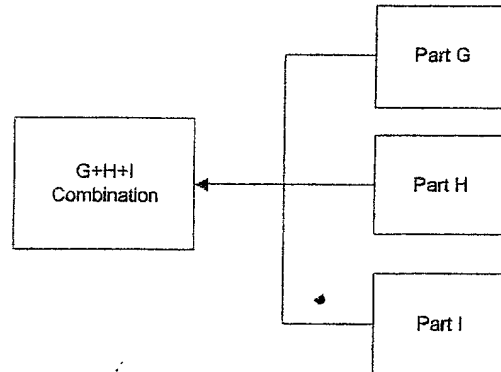
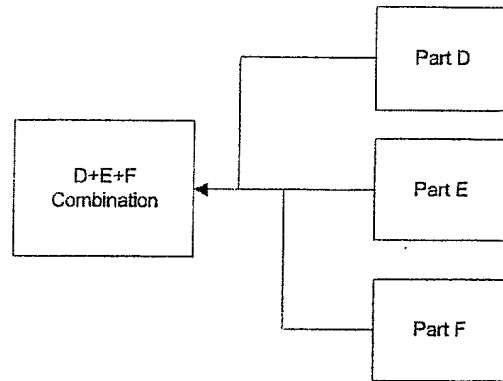
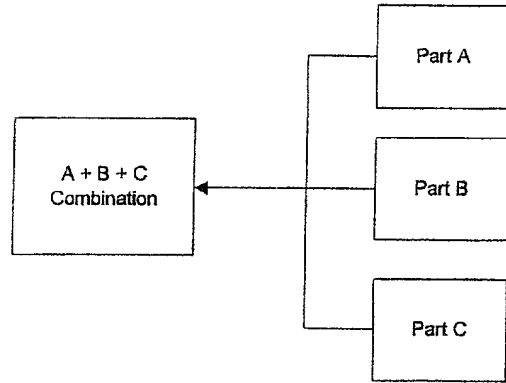
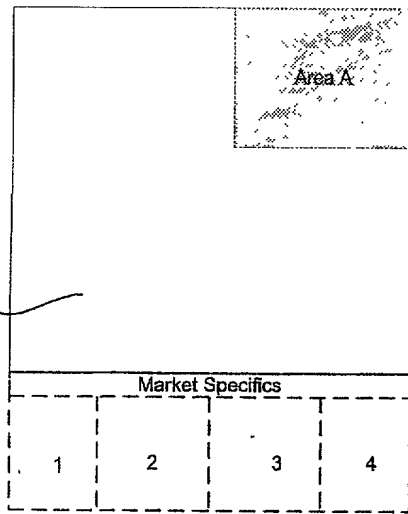
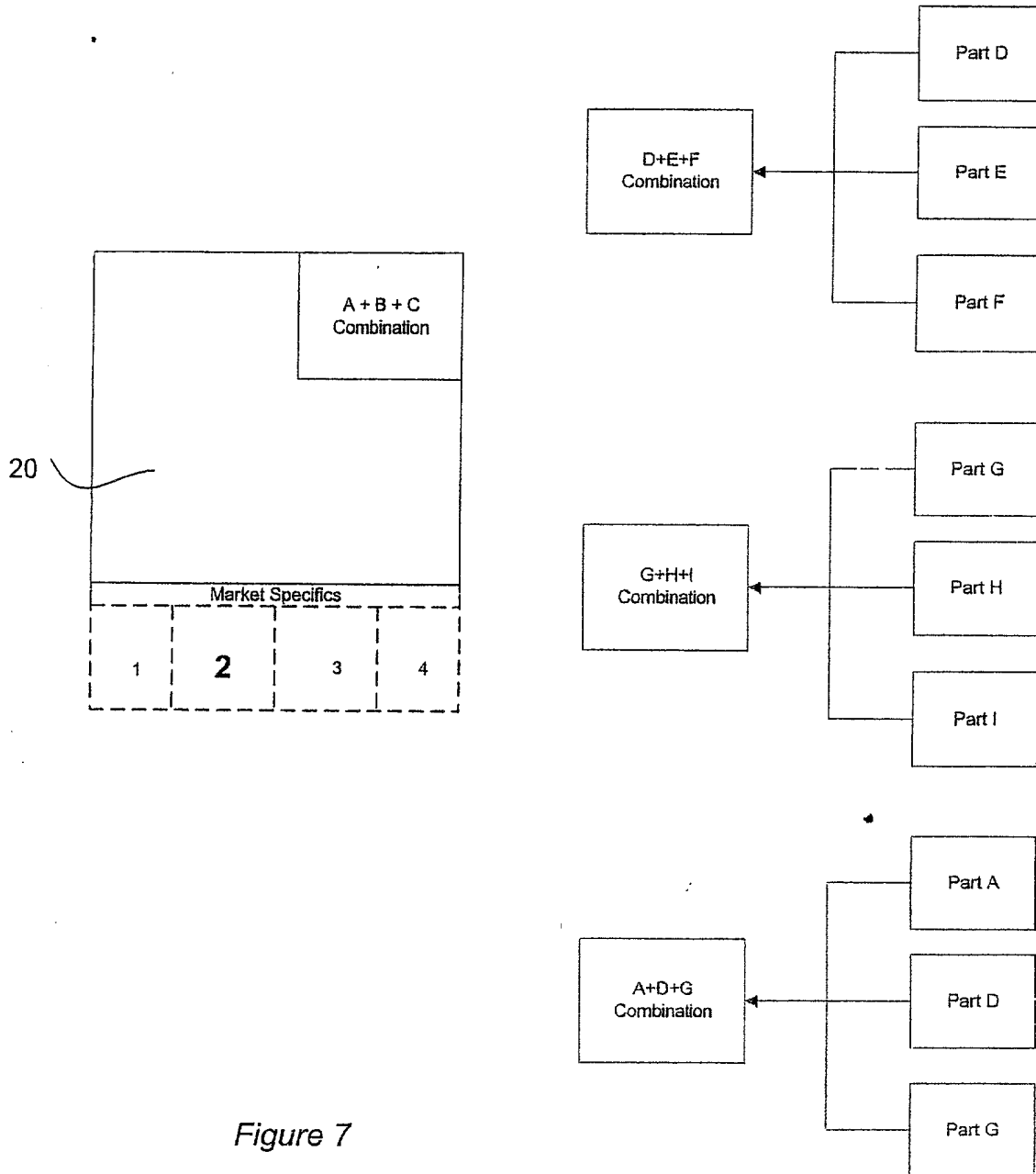


Figure 6

09976674004



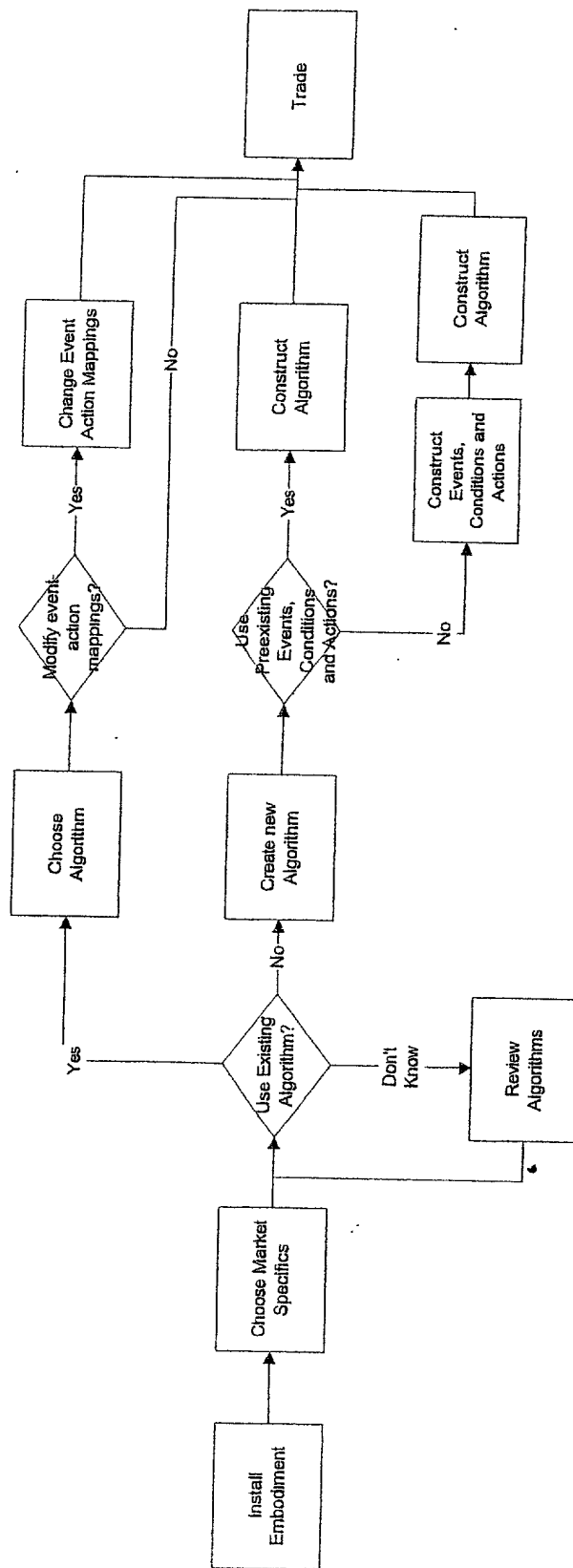


Figure 8

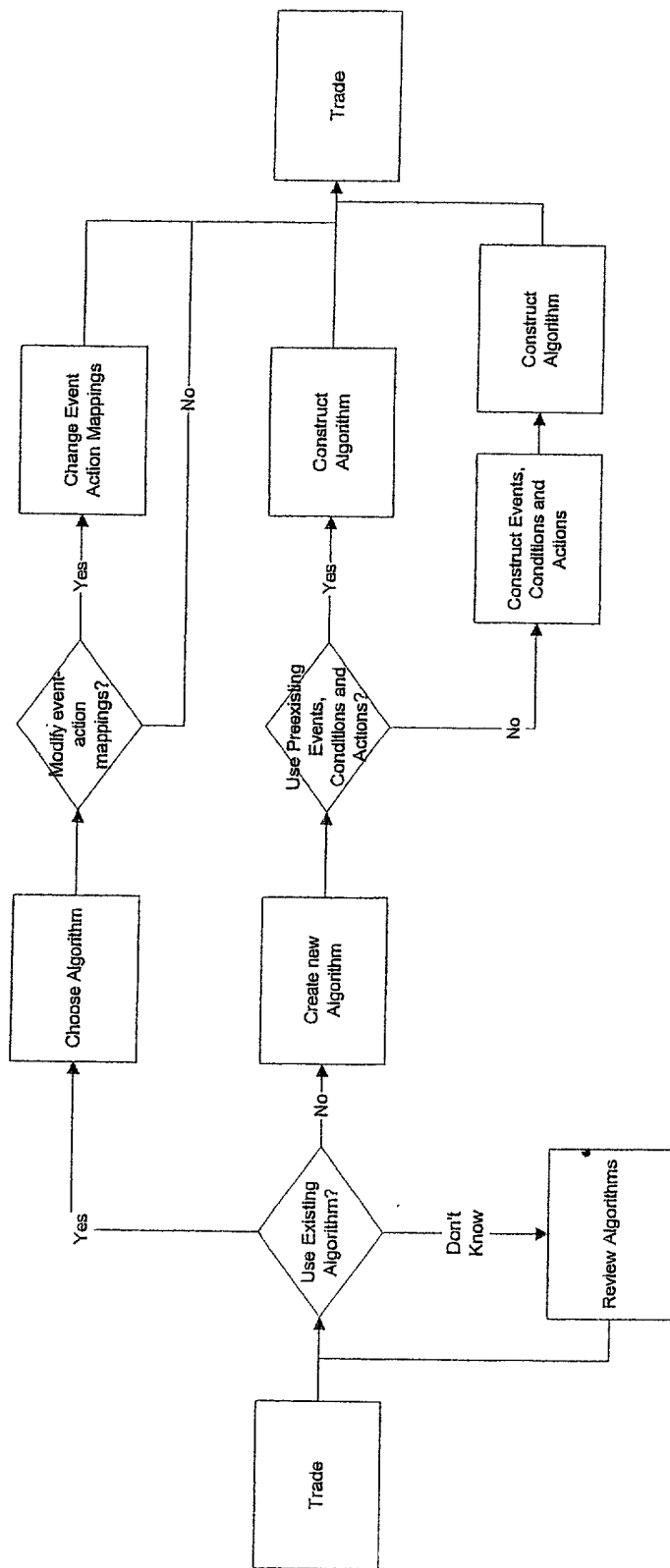
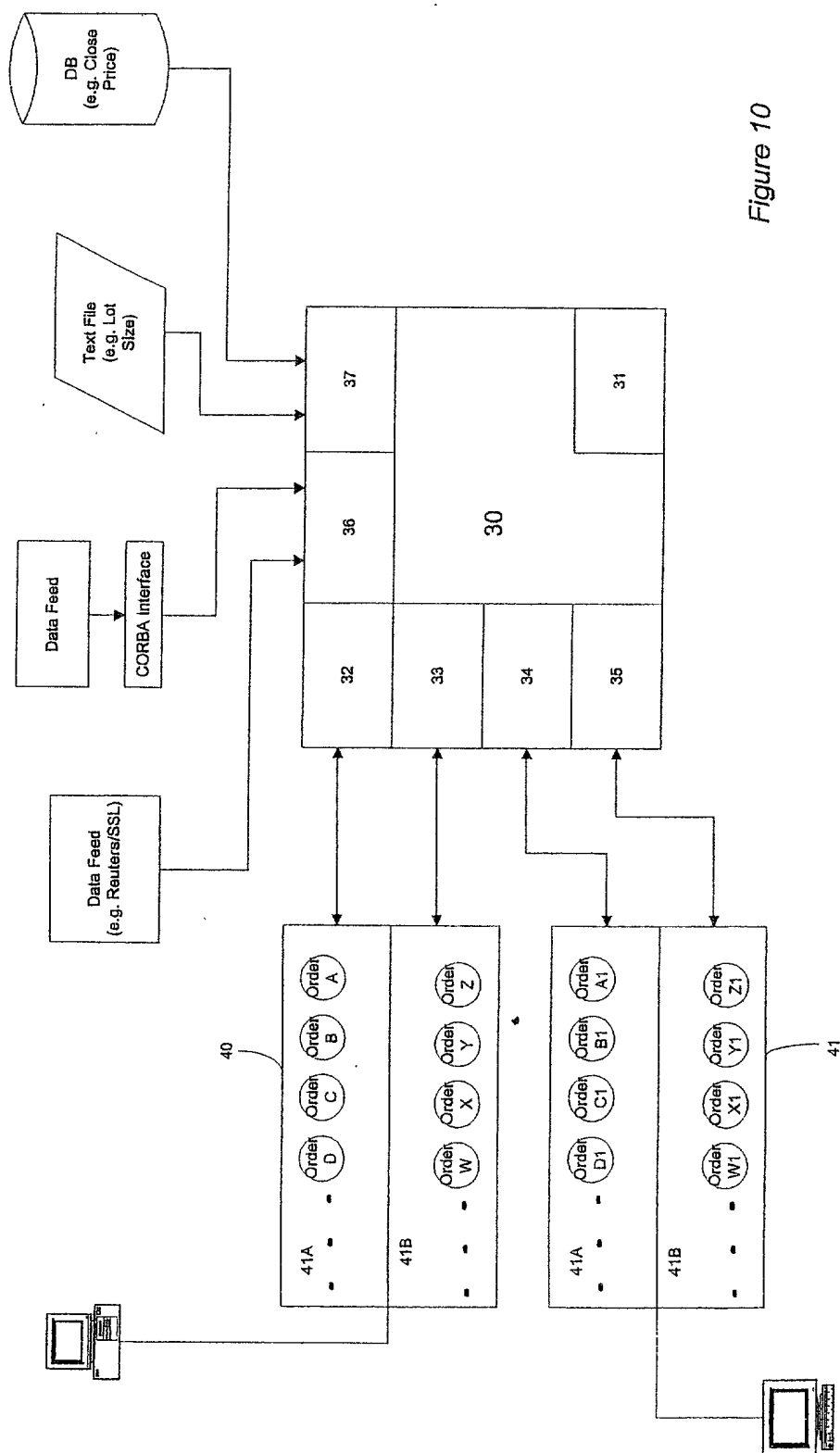


Figure 9

Figure 1 consists of 12 bar charts, each representing a different demographic or marital category. The x-axis for all charts represents age groups: 18-24, 25-34, 35-44, 45-54, 55-64, and 65+. The y-axis represents the percentage of respondents, ranging from 0% to 100%.

- 1. Total:** Shows a general upward trend from approximately 15% in the 18-24 group to 45% in the 65+ group.
- 2. Male:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 3. Female:** Shows a general upward trend from approximately 10% in the 18-24 group to 45% in the 65+ group.
- 4. White:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 5. Black:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 6. Hispanic:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 7. Asian:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 8. Pacific Islander:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 9. Other:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 10. Married:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 11. Single:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 12. Divorced:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.



Variable	Mean	SD	Min	Max
Age	34.5	10.2	22	55
Gender	1.2	0.4	1	2
Marital Status	1.5	0.5	1	3
Education	12.5	1.5	9	16
Income	1500	500	500	3000
Occupation	1.8	0.8	1	3
Health Status	1.5	0.5	1	3
Stress Level	2.5	1.0	1	4
Sleep Quality	1.8	0.8	1	3
Appetite	1.5	0.5	1	3
Mood	1.5	0.5	1	3
Energy	1.5	0.5	1	3
Concentration	1.5	0.5	1	3
Memory	1.5	0.5	1	3
Emotional Stability	1.5	0.5	1	3
Physical Activity	1.5	0.5	1	3
Social Interaction	1.5	0.5	1	3
Work Satisfaction	1.5	0.5	1	3
Life Satisfaction	1.5	0.5	1	3
Overall Well-being	1.5	0.5	1	3

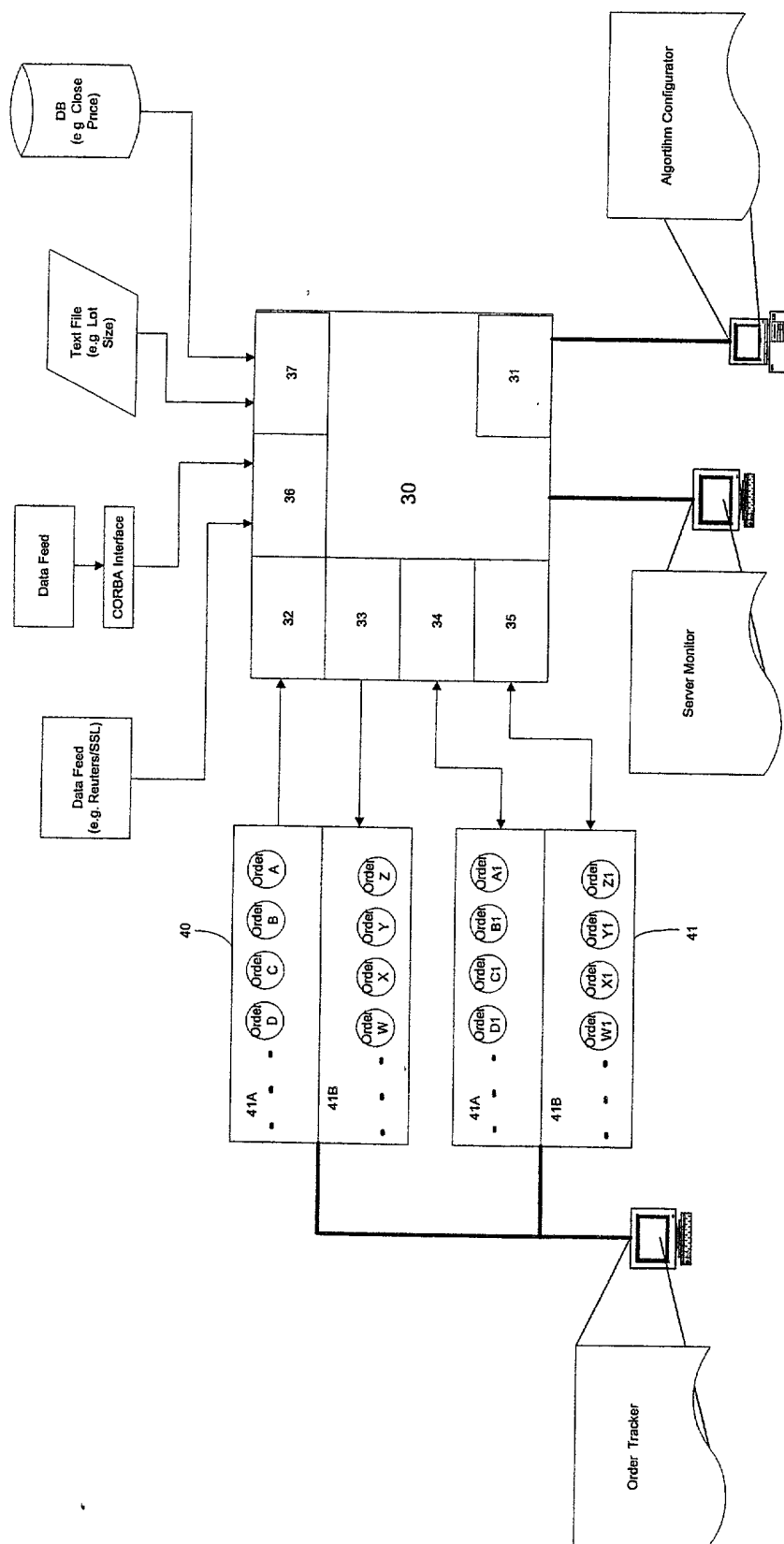


Figure 11A

The screenshot shows the 'Administration Tool' window with the 'Server Monitor' tab selected. The window contains a table of server performance data. The table has the following columns: Id, Created, Tag, AlgorithmType, Side, Instrum, Price, Quantity, Executed, To execute, % Com., and Susp. The data is organized into rows for different servers, with some rows expanded to show more details. The 'Server Monitor' tab is active, and the 'Order Tracker' and 'Algorithm Configuration' tabs are also visible. The window title is 'Administration Tool'.

Id	Created	Tag	AlgorithmType	Side	Instrum	Price	Quantity	Executed	To execute	% Com.	Susp.
360	08:57:58		TVWVAP	Buy	AXP	200000.0	63351.0	136649.0	31.88		
420	09:07:30		TVWVAP	Buy	BUD	86470.0	21838.0	86632.0	24.88		
440	09:08:36		TVWVAP	Buy	MO	247240.0	66292.0	178948.0	27.82		
460	09:09:30		TVWVAP	Buy	UNH	45340.0	10777.0	34563.0	23.77		
480	09:09:30		TVWVAP	Buy	UNH	77.125	360.0	160.0	44.44		
700	09:19:09		TVWVAP	Sell	C	230130.0	72781.0	157346.0	31.63		
720	09:19:45		TVWVAP	Sell	C	230100.0	74454.0	155646.0	32.36		
850	09:22:18		TVWVAP	Buy	XOM	138000.0	3715.0	9885.0	27.32		
950	09:23:54		TVWVAP	Buy	HON	180100.0	48113.0	131987.0	26.71		
970	09:23:58		TVWVAP	Buy	HON	53.375	1050.0	0.0	1050.0	0.0	
990	09:23:58		TVWVAP	Buy	HON	53.4375	690.0	0.0	690.0	0.0	

Figure 12

Buy 150,000 PEP (VWAP Order cipher-64556671) Details

Current state

Property	Expression
currentAPB	35.9833
targetQuantityMax	33849.0
targetQuantityMin	25152.0
currentMarketVWAP	35.9833
targetQuantity	28500.0
targetExectQuantity	32400.0

Past activity

Time	Id	AlgorithmType	Stu	Event	Action
12:56:14	cipher-6455	VWAP	<input type="checkbox"/>	RepetitiveTimer(0)	AheadOrBehind
12:58:14	cipher-6455	VWAP	<input type="checkbox"/>	RepetitiveTimer(0)	RecordStatusOrOrder
12:59:18	cipher-6455	VWAP	<input type="checkbox"/>	RepetitiveTimer(1)	AheadOrBehind
13:02:18	cipher-6455	VWAP	<input type="checkbox"/>	RepetitiveTimer(2)	AheadOrBehind
13:03:16	cipher-6455	VWAP	<input type="checkbox"/>	RepetitiveTimer(1)	RecordStatusOrOrder
13:05:21	cipher-6455	VWAP	<input type="checkbox"/>	RepetitiveTimer(3)	AheadOrBehind
13:08:19	cipher-6455	VWAP	<input type="checkbox"/>	RepetitiveTimer(2)	RecordStatusOrOrder
13:08:23	cipher-6455	VWAP	<input type="checkbox"/>	RepetitiveTimer(4)	AheadOrBehind

Future activity

Time	Id	AlgorithmType	Stu	Event	Action
13:47:52	cipher-6455	VWAP	<input type="checkbox"/>	RepetitiveTimer(17 (18:00))	AheadOrBehind
13:48:34	cipher-6455	VWAP	<input type="checkbox"/>	RepetitiveTimer(10 (11:30))	RecordStatusOrOrder
13:50:54	cipher-6455	VWAP	<input type="checkbox"/>	RepetitiveTimer(18 (19:00))	AheadOrBehind
13:53:39	cipher-6455	VWAP	<input type="checkbox"/>	RepetitiveTimer(11 (12:30))	RecordStatusOrOrder
13:53:59	cipher-6455	VWAP	<input type="checkbox"/>	RepetitiveTimer(19 (20:00))	AheadOrBehind
13:58:59	cipher-6455	VWAP	<input type="checkbox"/>	RepetitiveTimer(20 (21:00))	AheadOrBehind
13:59:39	cipher-6455	VWAP	<input type="checkbox"/>	RepetitiveTimer(12 (13:30))	RecordStatusOrOrder
14:00:01	cipher-6455	VWAP	<input type="checkbox"/>	RepetitiveTimer(21 (22:00))	AheadOrBehind

Refresh

OK

Figure 13

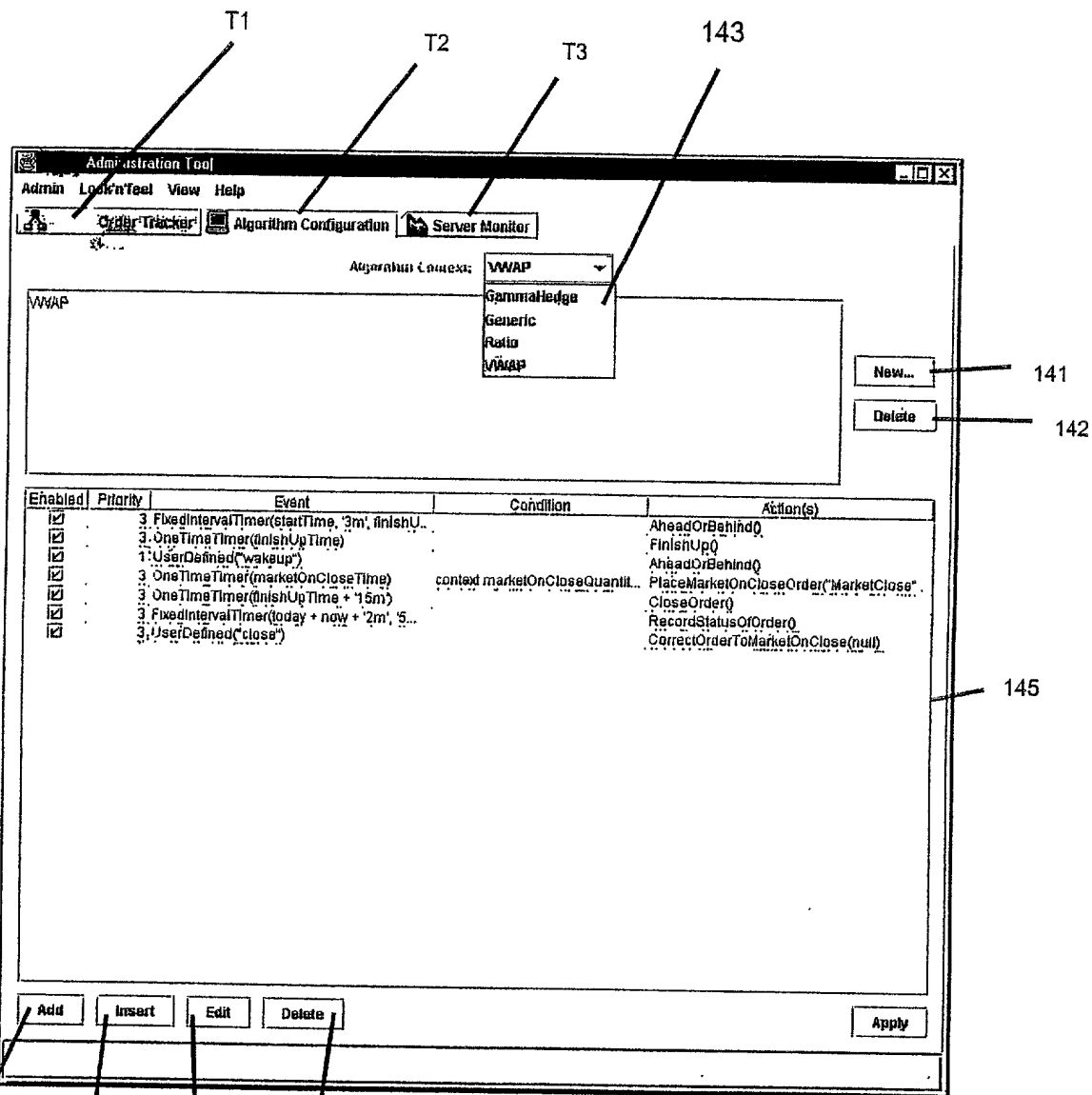


Figure 14

Enabled	Priority	Event	Condition	Action(s)
<input checked="" type="checkbox"/>		3 FixedIntervalTimer(30s; finishUp)		AheadOfBehindQ
<input checked="" type="checkbox"/>		3 OneTimeTimer(finishUpTime)		FinishUpQ
<input checked="" type="checkbox"/>		3 UserDefined(cancel)		CancelSubOrdersQ
<input checked="" type="checkbox"/>		3 UserDefined("correct")		CorrectOrderPrice("","-context.mal
<input checked="" type="checkbox"/>		3 UserDefined("correct")		CorrectOrderQuantity(100 """)
<input checked="" type="checkbox"/>		3 UserDefined("correct")		CorrectOrderToMarket("MM")
<input checked="" type="checkbox"/>		3 UserDefined("limit")		PlaceLimitOrder(context.malnr st
<input checked="" type="checkbox"/>		3 UserDefined("wakeUp")		AheadOfBehindQ
<input checked="" type="checkbox"/>		3 OneTimeTimer(m)		PlaceMarketOnCloseQuand .
<input checked="" type="checkbox"/>		3 OneTimeTimer(m)		context.malnrOnCloseQuand .
<input checked="" type="checkbox"/>		3 FixedIntervalTimer		CloseOrderQ
<input checked="" type="checkbox"/>		3 UserDefined(clos		RecordStatusOfOrder(i
<input checked="" type="checkbox"/>		3 UserDefined(sum		RecordOrderSummaryQ
<input checked="" type="checkbox"/>		3 Tick(malnrInsum		AheadOfBehindQ
<input checked="" type="checkbox"/>		2 Execution("")		context.malnrInsum <= 0...
<input checked="" type="checkbox"/>		3 UserDefined("market")		AheadOfBehindQ
<input checked="" type="checkbox"/>		3 UserDefined("sell")		PlaceMarketOrder(context.malnrIn
<input checked="" type="checkbox"/>		3 UserDefined("exception")		PlaceMarketOrder(context.malnrIn
<input checked="" type="checkbox"/>				ThrowExceptionQ

Figure 15

✕

Action Binding

☒ Enabled

Priority 3 (Default) ▼

Event

OneTimeTimer ▼

A one-time timer that will go off at time.

Property	Expression
fire	markOnCloseTime

Condition

context.markOnCloseQuantity > 0

Actions

Action
PlaceMarketOnCloseOrder(context.mainInstrumentId, "MarketClose", context.markOnCloseQuantity,)

Ok

Cancel

Figure 16

✖

Action Binding

☒ Enabled

Priority 3 (Default) ▾

Event

OneTimeTimer ▾

Algorithmhit
Cancellation
Correction
Execution
FixedIntervalTimer
JMSMessage
OneTimeTimer
PropertyChange

Il go off at time.

Property

marketOnCloseTime

Exprssion

Condition

context.marketOnCloseQuantity > 0

Actions

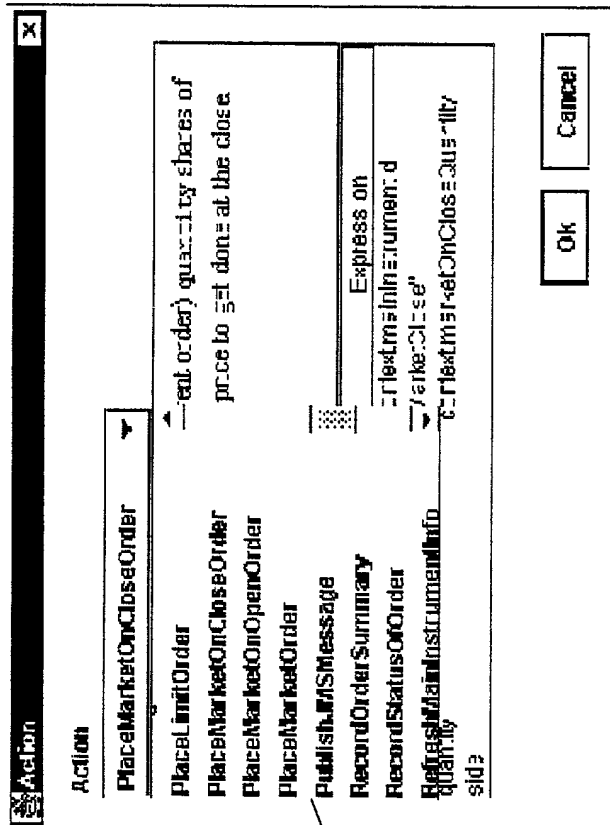
Actor

Fla: alvarketOnCloseOrder(context.instrUMENT, 'MarketClose', context.marketOnCloseQuantity,)

OK

Cancel

Figure 17



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Figure 19

